ARCADIS BBL
Infrastructure, environment, facilities

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Mr. Samuel Borries, Remedial Project Manager
USEPA Region 5
77 W Jackson Blvd (SE-5J)
Chicago, IL 60604

Subject
Project Coordinator
Plainwell Time Critical Removal Action (TCRA)
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site

INDUSTRIAL

Date
February 26, 2007

Dear Sam

As outlined in Paragraph 12 of the 2007 Administrative Settlement Agreement and Order on Consent for Removal Action, this letter notifies the USEPA, MDEQ, and MDNR that I am designated as the Project Coordinator for the time critical removal action (TCRA). I will be responsible for the administration of all actions by Respondents required by the Settlement Agreement. My contact information is as follows:

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Our ref
B0064530 #2

My resume is attached as a statement of qualification

Please contact me if you have any questions.

Sincerely,

ARCADIS of New York, Inc

Stephen Garbaciak Jr , P E
Principal Engineer/Vice President

Attachment

Imagine the result

Copies
Shari Kolak, United States Environmental Protection Agency
Paul Bucholtz, Michigan Department of Environmental Quality
Sharon Hanshue, Michigan Department of Natural Resources
Bonnie Allyn Barnett, Esq , Drinker Biddle & Reath LLP
Steven Cook, Esq., Lyondell/Equistar
J. Michael Davis, Esq , Georgia-Pacific Corporation
Mellonie Fleming, Esq., Georgia-Pacific Corporation
Paul Montney, P.E , Georgia-Pacific Corporation
Mark Brown, Ph.D., Georgia-Pacific Corporation
Mark Tapp, Lyondell/Equistar

Education
MS/Environmental Engineering
University of Illinois at Urbana-Champaign, 1988
BS/Civil Engineering University of Illinois at Urbana-Champaign, 1986

Years of Experience
With ARCADIS Since 1999

Professional Registrations
Professional Engineer IL
Professional Engineer MI
Professional Engineer WI
Professional Engineer NY

Professional Qualifications
Western Dredging Association
Editorial Board Western Dredging Association's Journal of Dredging Engineering
American Society of Civil Engineers

Stephen Garbaciak Jr., PE

Vice President

Mr Garbaciak has more than 19 years of experience and his responsibilities include determining the physical characteristics of sediments and waterways, assessing remedial options, and evaluating the applicability of innovative hazardous waste technologies to sediment remediation Formerly a project manager of U.S Environmental Protection Agency's (USEPA's) sediment technology demonstrations under its Assessment and Remediation of Contaminated Sediments (ARCS) program, he coordinated the efforts of multiple federal and state agencies to execute five onsite, pilot-scale technology demonstrations for the remediation of contaminated sediments He also served as Chief of the Environmental Engineering Section for the Chicago District of the U S Army Corps of Engineers (ACOE), through which he developed valuable relationships with key personnel in the policy and research programs of the Corps

Experience

Dredging Project Design
Confidential Client, Northeastern United States
Ongoing, Project Cost $15,000,000
Serves as design project manager for development of dredging, dredged material transport, rehandling, dewatering, water treatment, rail yard construction and operation, and back fill and capping operation design at this project site The largest sediment remediation project designed to date, was responsible for the coordination of the activities of a design team of 75 individuals across 15 ARCADIS BBL offices plus a supporting team of subcontractors Responsible for budget tracking and client communications on schedule and budget

Contaminated Sediment Removal Design
Confidential Client, Midwestern United States
Ongoing, Project Cost $3,700,000
Served as program director for ARCADIS BBL's efforts to develop a design for the removal of 100,000 cy of sediment from this confidential river and creek system Alternatives involving wet excavation, stream bypass for dry excavation, and dredging have been developed to compare differences in cost, schedule, and implementability Extensive site restoration following remediation will also be necessary due to the sensitive nature of the surrounding ecosystem Project is currently being implemented by ARCADIS BBLES

Remedial Investigation, Ecological Risk Assessment, Human Health Risk Assessment
Confidential Client, DePue, Illinois
Ongoing, Project Cost $1,700,000
ARCADIS BBL is implementing an RI, ERA, and HHRA at two operable units of the New Jersey Zinc/Mobil Chemical Superfund site, a former zinc smelter, fertilizer factory, and paint pigment manufacturer The former industrial facilities have been demolished and remedial options for sediments and soils remaining on-site are being considered The adjoining DePue Lake and the off-site areas of the site are the two OUs being addressed by ARCADIS BBL Constituents of concern include arsenic, cadmium, copper, lead, and zinc Served as ARCADIS BBL's project coordinator for the development of the work plans and continuing activities implementing the plans

Time-Critical Removal Action and Feasibility Study
Kalamazoo River Study Group, Kalamazoo, Michigan
Ongoing, Project Cost $40,000,000
The Allied Paper, Inc /Portage Creek/Kalamazoo River Superfund site contains more than 50 miles of PCB-impacted river sediments and floodplain soils Served as project manager responsible for the development of the October 2000 FS for the site The draft FS evaluated a wide variety of remedial options for sediments and soils ranging from no action, natural attenuation, capping, large-scale dredging, and excavation of sediment

Design project manager for the TCRA to be conducted in 2007 on the Former Plainwell Impoundment The TCRA will include the removal of 132,000 cubic yards of sediments, bank soils, and floodplain soils, the removal of the Former Plainwell Dam, and revegetation of the disturbed bank areas

Sediment Remediation Technical Assistance and Support
Fox River Group, Green Bay, Wisconsin
2004, Project Cost $10,000,000
Provided technical assistance and support on a wide variety of sediment remediation issues being addressed by the full PRP group, including detailed review and comment on RI/FS reports prepared by the Wisconsin Department of Natural Resources and the USEPA Prepared formal comment submissions on the Proposed Remedial Action Plan (PRAP) and Record of Decision (ROD)

Bayou Restoration Design
Motiva Enterprises, Norco, Louisiana
2002, Project Cost $162,000
Bayou Trepagnier is a 3-mile long shallow waterbody in Louisiana that had been the primary receiving stream for discharges from the Norco Refinery over the past 75 years Efforts were underway to address issues associated with heavy metals, PAHs, and oils present in the sediments of the bayou, and to address intrusion of brackish water from nearby Lake Pontchartrain Served as project manager for ARCADIS BBL's efforts to develop a design for the removal of sediments from selected portions of the bayou, the filling and closure of upstream areas of the bayou, and the construction of new channels and diversion structures that will introduce supplemental freshwater flow to the surrounding wetland/marsh system

Remedial Design Technical Assistance and Support
ISK Corporation, Duluth, Minnesota
2001, Project Cost $20,000
River and bay sediments at the St Louis River/Interlake/Duluth Tar site are impacted by PAHs and coal-tar residuals Because of strong local knowledge and history of successful negotiations with regional regulatory authorities, provided technical assistance and support to the prime consultant in its development of negotiating strategies and coordination with regulatory agencies including the Minnesota Pollution Control Agency and the USACE Helped assemble peer review team that led to agency acceptance of client-preferred remedial alternative combining capping, dredging, and natural recovery components

Comprehensive Sediment Delineation Plan and Site Strategy
GB Biosciences, Houston, Texas
2001, Project Cost. $304,000
Greens Bayou is a tributary to the Houston Shipping Channel, and is a navigable waterway with both deep-draft and barge channels Past discharges to the bayou and an adjacent drainage ditch have resulted in the detection of elevated levels of DDT compounds and other constituents, interrupting maintenance dredging by the USACE Served as project manager responsible for the development of a comprehensive sediment delineation plan, site strategy, and expedited sediment retention measures report

Development and Implementation of Dredging and Disposal Plan
Ashtabula River Cooperation Group, Ashtabula, Ohio
2000, Project Cost $1,300,000
The Ashtabula River Partnership, with membership from federal, state, and local regulatory agencies, local business interests, concerned citizens, and industrial parties, was working toward the development and implementation of a dredging and disposal plan for PCB-impacted

sediments in the Ashtabula River and Harbor The project was executed under unique environmental dredging-based cost-sharing authorities available to the USACE by the Water Resources Development Act Helped develop technical reports on aspects of the project including precision dredging methods, dredged material volume minimization techniques, and dewatering methodologies

CDF Evaluation, Design, and Permitting
River Terminal Development Corporation, South Kearney, New Jersey, 1999
Provided technical assistance for the evaluation, design, and permitting of two nearshore CDFs on the Hackensack River The facilities will contain 250,000 cy of dredged material from navigation projects in the Port of New Jersey and will also serve to demonstrate the efficacy of nearshore CDFs. Reviewed the collection of sediment, water, and biological samples, the preparation of state and federal permit applications, and engineering aspects of design and construction for the facilities

Natural Resource Damage Assessment Technical Support
PRP Group, East Chicago/Gary/Hammond, Indiana, 1999
Served as project manager for efforts in support of a multiple-client group of PRPs named in an NRD claim for this industrial waterway The Grand Calumet River and Indiana Harbor Ship Canal have been impacted by more than a century of industrial and municipal development, including the location of several of the world's largest refineries and integrated steel mills Assisted the client group and its consultants in the collection and evaluation of existing data related to the NRD claims, the development of technical meetings with the resource Trustees, and the evaluation of sediment remediation and restoration options for the system

Development and Evaluation of Remediation and Restoration Options
Fort James Corporation, Green Bay, Wisconsin, 1999
Served as project manager for efforts to develop and evaluate remediation and restoration options for the Fox River, a major PCB-contaminated river system in the Great Lakes region Responsible for developing remediation options that ranged from natural recovery to dredging and disposal, employing the selected options to execute staged, sequential risk mitigation on the river system; and identifying possible sites for the disposal of contaminated sediments

Technical Assistance
Roy F Weston, Inc , Western Massachusetts, 1999
Provided client support to the USACE and the USEPA as they evaluate alternatives for the mitigation of human health and ecological risks posed by PCBs and other hazardous substances in river sediments and bank and floodplain soils at this site, formerly the world's largest transformer manufacturing plant As an advisory board member, helped to ensure that data

collection, interpretation, and validation and the development of remedial options were technically sound and defensible In this capacity, reviewed reports, participated in planning discussions, and attended regular advisory meetings

Development of Regional Dredged Material Processing Facility
NUI Environmental, Elizabeth, New Jersey, 1999
Project manager for the development of the facility that will accept materials from navigation projects in the New York/New Jersey Harbor area and prepare them for disposal at off-site locations The facility will employ dewatering, particle separation, and stabilization/solidification techniques to render the dredged materials suitable for disposal Responsible for evaluating potential sediment processing techniques and coordinating with state and federal regulatory agencies

Confined Disposal Facility Design
PRP Group, Island End River, Massachusetts, 1999
This site near a former manufactured gas plant, coking operation, and coal-tar processing facility contains sediments that are contaminated with PAHs The site is regulated under a Massachusetts state cleanup program, with involvement of the U S Coast Guard Provided technical assistance to the PRPs as they evaluated the feasibility of reconfiguring a proposed CDF and assessed possible changes in the CDF design for technical feasibility, ease of implementation, and cost

Newburgh Lake Restoration
ECT, Inc , Livonia, Michigan, 1998
Served as project manager for design review efforts to restore the 105-acre impoundment Restoration included rehabilitation of the dam that creates the impoundment, dewatering of the lake, and subsequent removal of 600,000 cubic yards of sediments, some of which were contaminated with up to 50 ppm of PCBs Participated in an engineering review of the plans and specifications for the project to ensure that those documents and project activities represented the state-of-the-art for sediment remediation

Expert Witness Testimony
Confidential Client, Northwestern United States, 1996
Acted as an expert witness in support of a client's claims against an insurer Applied experience and understanding of the complete spectrum of sediment remediation projects in the United States and throughout the world, and demonstrated the appropriateness and effectiveness of the remedial alternative implemented by the client